81	Wimbor (1976) S. // S. / S. / S. / S. / S. / S. / S.
	Changed a file from non-ASCII to ASCII  Changed a file from non-ASCII to ASCII
	Changed the margins in cases where the sequence text was "wrapped" down to the next to the
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.  Inserted colons after headings/subheadings. Headings edited included:
	Deleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file page numbers throughout text; other invalid text, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically:
	Edited identifiers where upper case is used but lower case is required, or vice versa.
	Corrected an error in the Number of Sequences field, specifically:
-	A "Flard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
D	eleted endling stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error use to a Patentin bug). Sequences corrected:

<sup>\*</sup>Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

## TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/645,321

DATE: 09/14/2000 TIME: 16:50:58

Input Set : A:\Cpg.pto

Output Set: N:\CRF3\09142000\1645321.raw

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3 <110 > APPLICANT: Satoshi KOIZUMI
               Kazuhiko TABATA
      4
      5
               Tetsuo ENDO
               Akio OZAKI
      6
      8 <120> TITLE OF INVENTION: Process for producing N-acetylneuraminic acid
     10 <130> FILE REFERENCE: 11229
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/645,321
C--> 12 <141> CURRENT FILING DATE: 2000-08-25
     12 -150> PRIOR APPLICATION NUMBER: H11-242670
     13 <151 PRIOR FILING DATE: 1999 (8-30 15 <160 NUMBER OF SEQ ID NOS (8)
      17 <170: SOFTWARE: PatentIn Ver.
      19 <210 > SEQ ID NO: 1
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      22 <213> ORGANISM: Synechocystis sp.(PCC6803)
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      31 Gln Gly Gly Tyr Phe Thr C7s Leu Asp Arg Lys Gly Gln Val Phe 32 45
      \frac{1}{34} Asp Thr Asp Lys Phe Ile Trp Leu Gln Asn Arg Gln Val Trp Gln Phe \frac{1}{35} \frac{1}{50}
      37 Ala Val Phe Tyr Asn Arg Leu Glu Pio Lys Pro Gln Trp Leu Glu Ile
38 65 70 80
      40 Ala Arg His Gly Ala Asp Phe Leu Ala Arg His Gly Arg Asp Gln Asp 41 85 90 95
      ^{43} Gly Asn Trp Tyr Phe Ala Leu Asp Gln Glu Gly Lys Pro Leu Arg Gln ^{44} ^{100} ^{100} ^{105} ^{110}
      46 Pro Tyr Asn Val Phe Ser Asp Cys Phe Ala Ala Met Ala Phe Ser Gln
47 115 120 125
      49 Tyr Ala Leu Ala Ser Gly Ala Gln Glu Ala Lys Ala Ile Ala Leu Gln
50 130 135 140
      52 Ala Tyr Asn Asn Val Leu Arg Arg Gln His Asn Pro Lys Gly Gln Tyr
53 145 150 160
      55 Glu Lys Ser Tyr Pro Gly Thr Arg Pro Leu Lys Ser Leu Ala Val Pro
56 170 175
      58 Met Ile Leu Ala Asn Leu Thr Leu Glu Met Glu Trp Leu Leu Pro Pro 59 180 185 190
      61 Thr Thr Val Glu Glu Val Leu Ala Gln Thr Val Arg Glu Val Met Thr 62 \frac{205}{200}
      64 Asp Phe Leu Asp Pro Glu Ile Gly Leu Met Arg Glu Ala Val Thr Pro 65 210 220
      67 Thr Gly Glu Phe Val Asp Ser Phe Glu Gly Arg Leu Leu Asn Pro Gly
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/645,321

DATE: 09/14/2000 TIME: 16:50:58

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09142000\1645321.raw

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70 His Gly Ile Glu Ala Met Trp Phe Met Met Asp Ile Ala Gln Arg Ser
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                                             250
73 Gly Asp Arg Gln Leu Gin Glu Gln Ala Ile Ala Val Val Leu Asn Thr
74 260 265 270
              260
76 Leu Glu Tyr Ala Trp Asp Glu Glu Phe Gly Gly Ile Phe Tyr Phe Leu
77 275 280 285
79 Asp Arg Gln Gly His Pro Pro Gln Gln Leu Glu Trp Asp Gln Lys Leu
80 290 295 300
82 Trp Trp Val His Leu Glu Thr Leu Val Ala Leu Ala Lys Gly His Glu
83 305 310 315
85 Ala Thr Gly Gln Glu Lys Cys Trp Gln Trp Phe Glu Arq Val His Asp
86 325 330 335
88 Tyr Ala Trp Ser His Phe Ala Asp Pro Glu Tyr Gly Glu Trp Phe Gly 89 340 345
91 Tyr Leu Asn Arg Arg Gly Glu Val Leu Leu Asn Leu Lys Gly Gly Lys 92 365 360
94 Trp Lys Gly Cys Phe His Val Pro Arg Ala Leu Trp Leu Cys Ala Glu
95 370 375 380
97 Thr Leu Gln Leu Pro Val Ser
98 385 390
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109 1 5
                                     10
111 tta cae cag gae gta ttg cec ttt tgg gaa aaa tat tee ete gat ege
112 Leu His Gin Asp Val Leu Pro Phe Trp Glu Lys Tyr Ser Leu Asp Arq 113 20 25 30 115 cag ggg ggc ggt tac ttt acc tgc tta gac cgt aaa ggc cag gtt ttt
116 Gln Gly Gly Gly Tyr Phe Thr Cys Leu Asp Arg Lys Cly Gln Val Phe 117 40 45
119 gad ada gat ada the att tgg tha dad add cgt dag gha tgg dag thi
120 Asp Thr Asp Lys Phe Ile Trp Leu Gln Asn Arg Gln Val Trp Gln Phe
        50
121
123 gee gtt tte tac aac egt ttg gaa eea aaa eec eaa tyg tta gaa aft
124 Ala Val Phe Tyr Asn Arg Leu Glu Pro Lys Pro Gln Trp Leu Glu Ile
                       70
125 65
127 geo ego cat ggt get gat tit tha get ego cac gge ega gat caa gac
128 Ala Arg His Gly Ala Asp Phe Leu Ala Arg His Gly Arg Asp Gln Asp
129 85 90 95
129
131 ggt aat tgg tat tit gct tig gat dag gaa ggd aaa dod dig ogt daa
131 Gly Asn Trp Tyr Phe Ala Leu Asp Gln Glu Gly Lys Pro Leu Arq Gln
133 100 105 110
135 occ tat dad gft tit too gat tgo the god god atg god tit agt cad
136 Pro Tyr Asn Val Phe Ser Asp Cys Phe Ala Ala Met Ala Phe Ser Gln
137 115 120 125
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RAW SEQUENCE LISTING DATE: 09/14/2000 PATENT APPLICATION: US/09/645,321 TIME: 16:50:58

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09142000\I645321.raw

139	tat	qcc	tta	gee	aqt	ggg	geg	cag	qaa	gct	аза	gcc	att	gcc	ctg	cag	432
110	Tyr	Ala	Leu	Ala	Sei	Gly	Ala	$_{\rm G1n}$	Glu	Ala	Lys	Ala	Ile	Ala	Leu	Gln	
111		130					135					140					
143	gcc	tac	aat	aac	gtc	cta	cdc	cgt	cag	car	aat	CCC	aaa	ggt	caa	tac	480
144	Ala	Tyr	Asn	Asn	Val	Leu	Arq	Arg	Gln	His		Pro	Lys	Gly	Gln	Tyr	
145	145					150					Lob					160	1.120
147	gag	aag	tcc	tat	cca	ggt	act	તવવ	CCC	ct.c	ada	tee	ctg	geg.	arg	oca	528
148	Glu	Lys	Ser	$T \vee r$		G17	Thr	A19	Pro	Leu	Lys	Ser	Leu	Ala	Val	Pro	
149					165					170					175		576
151	atg	att	tta	acc	aac	ctc	acc	ctg	gag	वर्ष	uaa	tää	tta	tta	ccg	Dro	3 7 10
	Met	He	Leu		Asn	Leu	Thr	Leu	102	Met	GIU	пр	Leu	190	FIO	PIO	
153				180					185	2.00.0	ata	202	er n n		a t or	200	624
155	act	acc	gtg	gad	qag	gtg	119	gee Ala	Cdd	The	gre	aya	Clu	grg Val	Mat	The	021
	Thr	Inr	195	GIU	GIU	Val	Leu	200	GIII	1111	val	Arg	205	vai	Pre c	1111	
157		++0		* > 0		/T 2 2	1 + 2	्यव्य व्यव	t t a	ata	caa	aaa		ata	acc	cec	672
156	Cat	Dho	Lou	201	Dro	Gli	Tle	Gly	Leu	Med	Ara	Gla	Ala	Val	Thr	Pro	
161	ASP	210	r.c.u	Map	110	01.11	215	01;			,	220					
161	aca	210	on a	+++	att	gat		rtt	gaa	aaa	caa		ctc	aac	cca	qqa	7.20
164	Thr	Blv	Gla	Phe	Val	Asp	Ser	Phe	Glu	Ğİ2	Arg	Leu	Leu	Asn	orq	Gly	
165		4.7				230				•	235					240	
167	cac	aac	att	gaa	qcc	atg	tgg	ttc	atg	atg	gac	att	gcc	caa	cgc	tec	768
168	His	GÍ7	11e	Glu	Ala	Met	Trp	Pho	Met	Met	Asp	Ile	Ala	Gln	Arg	Ser	
169					245					250					255		
174	ggc	gat	cgc	cag	tta	cag	gaq	caa	gcc	att	qea	gtg	gtg	t fig	aac	acc	816
172	G17	Asp	Arg	Gln	Leu	Gln	Glu	Gln	Ala	11e	Ala	Val	Val	Leu	Asn	Thr	
173				260					265					270			
175	etg	gaa	tat.	gcc	tgg	gat	gaa	qaa	ttt	ggt	ddc	ata	ttt	tat	ttc	ctt	864
176	Leu	Glu		Ala	Trp	Asp	Glu	Glu	Phe	G17	Gly	He	Phe	Tyr	Phe	Leu	
177			275					280		,			285			at s	912
179	gat	cgc	cag	dac	cac	cat	acc	caa	caa	ctq	aaa	tag	gac	caa	aag	CEC	912
	Asp		Gln	GLY	His	Pro		Gln	GIN	LEA	GIU	300	ASP	GIII	r y S	rea	
181		290					295	ctg	arti	0.00	at a		220	aac	cac	caa	960
183	rag	Egg	gta	Cat	TEG	Glu	mbr	Leu	1751	Ala	Len	Δla	Lvs	Gly	His	Gln	, , , ,
	305	ггр	vai	HIS	ьеп	310	1 111	Leu	A CT T	ALG	315	7:1.u	11 J	017		320	
197	303	act	aac	caa	паа		tat	tag	caa	taa		aaa	caa	atc	cat		1008
188	Ma	Thr	617	Cln	Glu	Tus	C98	Trp	Gln	Tro	Phe	Glu	Arg	Val	His	Asp	
189	nia	1111	013	0111	325	2,0				330			,		335	•	
	tac	acc	taa	agt		ttc	acc	gat	cct	qaq	tat	qqq	qaa	tgg	ttt	gge	1055
192	Tyr	Ala	Trp	Ser	His	Phe	Ála	Asp	Pro	Glu	Туг	$G1_{7}$	Glu	Trp	Phe	Gly	
193				340					345					350			
195	tac	ctq	aat	cgc	cgg	gga	gag	qtg	tta	ctc	aac	cta	aaa	ggg	ggg	aaa	1104
196	Tyr	Leu	Asn	Aig	Arg	Gly	Glu	Val	Leu	Leu	Asn	Leu	Lys	Gly	G17	Lys	
197	-		355					360					365				
199	tqq	aaa	वृष्यु	tgc	ttc	cac	व्राप	CCC	cga	get	ctq	tgg	ctc	tgt	aca	gaa	1152
500	Trp		Gly	Сув	Phe	His		Pro	Arg	Ala	Letu	Trp	Leu	Cys	Ala	Glu	
201		370					375					380					117.
203	act	ctc	caa	ctt	cca	gtt	agt										11.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/645,321
DATE: 09/14/2000
TIME: 16:50:58

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09142000\1645321.raw

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205 385 390	
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209 · 211> LENGTH: 24	
210 <212> TYPE: DNA	
211 - 213> ORGANISM: Artificial Sequence	
213 - 2202 FEATURE:	
214 - 223> OTHER INFORMATION: Synthetic DNA	
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222 - 212> TYPE: DNA	
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225 - 220 > FEATURE:	
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233 <211 > LENGTH: 32	
234 <212> TYPE: DNA	
235 - 213> ORGANISM: Artificial Sequence	
237 - 220> FEATURE:	
238 - 223. OTHER INFORMATION: Synthetic DNA	
240 - 400> SEQUENCE: 5	
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253 titggateet cattatteee eetgattiit gaa	3 3
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RAW SEQUENCE LISTING DATE: 09/14/2000 PATENT APPLICATION: US/09/645,321 TIME: 16:50:58

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09142000\1645321.raw

277 aaaggateet taaetaaeeg gaagttggag agttte

36

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/645,321

DATE: 09/14/2000 FIME: 16:50:59

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09142000\1645321.raw

OIPE

 RAW SEQUENCE LISTING
 DATE: 09/06/2000

 PATENT APPLICATION: US/09/645,321
 TIME: 11:35:35

Input Set : A:\5.1183 sequence.txt
Output Set: N:\CRf3\09062000\1645321.raw

3 <110> APPLICANT: Satoshi KOIZUMI
4 Eazuhiko TABATA
5 Tetsuo ENDO
6 Akio OZAKI
8 <120> TITLE OF INVENTION: Process for producing N-acetylneuraminic acid
10 <130> FILE REFERENCE: 11229
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/645,321
C--> 12 <150> PRIOR APPLICATION NUMBER: H11-242670
13 <151> PRIOR FILING DATE: 1999-08-30
15 <160> NUMBER OF SEQ ID NOS: 8
17 <170> SOFTWARE: Patentin Ver. 2.0

## ERRORED SEQUENCES

101 <210> SEQ ID NO: 2 102 <211> LENGTH: 1173 103 <212> TYPE: DNA 104 <213> ORGANISM: Synechocystis sp.(PCC6803) 106 <400> SEQUENCE: 2 E--> 107 atg att gcc cat cgc cgt cag gag tta gcc cag caa tat tac cag gct E--> 108 48  $\frac{1}{109}$  Met Ile Ala His Arg Arg Gln Glu Leu Ala Gln Gln Tyr Tyr Gln Ala  $\frac{1}{10}$ E--> 112 tta cac cag gac gta ttg ccc ttt tgg gaa aaa tat tcc ctc gat cgc E--> 113 96 114 Leu His Gln Asp Val Leu Pro Phe Trp Glu Lys Tyr Ser Leu Asp Arg 115 20 25 30E--> 117 cag ggg ggc ggt tac ttt acc tgc tta gac cgt aaa ggc cag gtt ttt E--> 118 144 119 Gln Gly Gly Gly Tyr Phe Thr Cys Leu Asp Arg Lys Gly Gln Val Phe 120 \$45\$E--> 122 gac aca gat aaa ttc att tgg tta caa aac cgt cag gta tgg cag ttt E--> 123 192 124 Asp Thr Asp Lys Phe IIe Trp Leu Gln Asn Arg Gln Val Trp Gln Phe 125 50 E--> 127 gcc gtt ttc tac aac cgt ttg gaa cca aaa ccc caa tgg tta gaa att E--> 128 240 129 Ala Val Phe Tyr Asn Arg Leu Glu Pro Lys Pro Gln Trp Leu Glu Ile 130 65 70 75 80130 65 E--> 132 gcc cgc cat ggt gct gat ttt tta gct cgc cac ggc cga gat caa gac E--> 133 288 134 Ala Arg His Gly Ala Asp Phe Leu Ala Arg His Gly Arg Asp Gln Asp 135 90 95 E--> 137 ggt aat tgg tat ttt gct ttg gat cag gaa ggc aaa ccc ctg cgt caa E--> 138 336

Corrected Disketto Niseded

Nocleic acid

Nocleic "w-apped"

he to

down to

/next

he whard

Possible

Prese break error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/645,321

DATE: 09/06/2000 TIME: 11:55:35

Input Set : A:\5.1183 sequence.txt
Output Set: N:\CRF3\09062000\1645321.raw

139 Gly Asn Trp Tyr Phe Ala Leu Asp Gln Glu Gly Lys Pro Leu Arg Gln 105 140 100 E--> 142 ccc tat aac gtt ttt tcc gat tgc ttc gcc gcc atg gcc ttt agt caa E--> 143 384 144 Pro Tyr Asn Val Phe Ser Asp Cys Phe Ala Ala Met Ala Phe Ser Gln 115 120 1.25 E--> 147 tat gcc tta gcc agt ggg gcg cag gaa gct aaa gcc att gcc ctg cag E--> 148 432 149 Tyr Ala Leu Ala Ser Gly Ala Gln Glu Ala Lys Ala Ile Ala Leu Gln 135 150 130 E--> 152 ged tad aat aad gtd dta ego egt dag dad aat ded aaa ggt daa tad E--> 153 480 154 Ala Tyr Asn Asn Val Leu Arg Arg Gln His Asn Pro Lys Gly Gln Tyr 150 155 155 145 E--> 157 gag aag too tat oca ggt act aga coo oto aaa too otg gog gtg cog E--> 158 528 159 Glu Lys Ser Tyr Pro Gly Thr Arg Pro Leu Lys Ser Leu Ala Val Pro 170 1.75 165 160 E--> 162 atg att tta gcc aac ctc acc ctg gag atg gaa tgg tta tta ccg cct E--> 163 576 164 Met Ile Leu Ala Asn Leu Thr Leu Glu Met Glu Trp Leu Leu Pro Pro 185 180 163 E--> 167 act acc gtg gaa gag gtg ttg gcc caa acc gtc aga gaa gtg atg acg E--> 168 624 169 Thr Thr Val Glu Glu Val Leu Ala Gln Thr Val Arg Glu Val Met Thr 200 205 E--> 172 gat tto etc gac eca gaa ata gga tta atg egg gaa geg gtg acc ecc E--> 173 672 174 Asp Phe Leu Asp Pro Glu Ile Gly Leu Met Arg Glu Ala Val Thr Pro 175 -210 -215 -220E--> 177 aca gga gaa tit git gat agt tit gaa ggg cgg tig cic aac cca gga E--> 178 720 179 Thr Gly Glu Phe Val Asp Ser Phe Glu Gly Arg Leu Leu Asn Pro Gly 230 180 225 E--> 182 cac ggc att gaa gcc atg tgg ttc atg atg gac att gcc caa cgc tcc E--> 183 768 184 His Gly Ile Glu Ala Met Trp Phe Met Met Asp Ile Ala Gln Arg Ser 185 245 250 256 245 E--> 187 ggc gat ege cag tta cag gag caa gee att gea gtg gtg ttg aac acc E--> 188 816 189 Gly Asp Arg Gln Leu Gln Glu Gln Ala Ile Ala Val Val Leu Asn Thr 265 190 260 E--> 192 ctg gaa tat gcc tgg gat gaa gaa ttt ggt ggc ata ttt tat ttc ctt E--> 193 864 194 Leu Glu Tyr Ala Trp Asp Glu Glu Phe Gly Gly Ile Phe Tyr Phe Leu 195 275 280 285  $E^{--}>$  197 gat cgc cag ggc cac cct ccc caa caa ctg gaa tgg gac caa aag ctc E--> 198 912 199 Asp Arg Gln Gly His Pro Pro Gln Gin Leu Glu Trp Asp Gln Lys Leu

Input Set : A:\5.1183 sequence.txt Output Set: N:\CRF3\09062000\I645321.raw E--> 202 tgg tgg gta cat ttg gaa acc ctg gtt gcc cta gcc aag ggc cac caa E--> 203 960 201 Trp Trp Val His Leu Glu Thr Leu Val Ala Leu Ala Lys Gly His Gln 3.10 E--> 207 gcc act ggc caa gaa aaa tgt tgg caa tgg ttt gag cgg gtc cat gat 209 Ala Thr Gly Gln Glu Lys Cys Trp Gln Trp Pho Glu Ard Val His Asp E--> 208 1008 325 E--> 212 tac gcc tgg agt cat ttc gcc gat cct gag tat ggg gaa tgg ttt ggc E--> 213 1056 214 Tyr Ala Trp Ser His Phe Ala Asp Pro Glu Tyr Gly Glu Trp Phe Gly 345 340 E--> 217 tac ctg aat cgc cgg gga gag gtg tta ctc aac cta aaa gyg ggg aaa E--> 218 1104 219 Tyr Leu Asn Arg Arg Gly Glu Val Leu Leu Asn Leu Lys Gly Gly Lys E--> 222 tgg aaa ggg tgc ttc cac gtg ccc cga gct ctg tgg ctc tgt gcg gaa  $\frac{1}{224}$  Trp Lys Gly Cys Phe His Val Pro Arg Ala Leu Trp Leu Cys Ala Glu  $\frac{225}{370}$   $\frac{370}{370}$ E--> 223 1152 E--> 227 act ctc caa ctt ccg gtt agt E--> 228 1173 229 Thr Leu Gln Leu Pro Val Ser 230 385 233 <210> SEQ ID NO: 3 234 <211> LENGTH: 24 235 -212> TYPE: DNA 236 :213 ORGANISM: Artificial Sequence 238 - 220: FEATURE: 239 223% OTHER INFORMATION: Synthetic DNA some, Pl 241 <100> SEQUENCE: 3 E--> 242 gtgtaagett tetgtatggg gtgt 24 2.13 246 .210 SEQ ID NO: 4 217 211> LENGTH: 26 218 212> TYPE: DNA 217 249 213 ORGANISM: Artificial Sequence 251 2200 FEATURE: \_ Samo, P. 252 <2232 OTHER INFORMATION: Synthetic DNA 234 - 400> SEQUENCE: 4 E--> 255 gcagggatcc caaccaggca gcggaa-256 - 26 259 2100 SEQ ID NO: 5 260 211. LENGTH: 32 261 212. TYPE: DNA 262 213: ORGANISM: Artificial Sequence 264 2202 FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/645,321

DATE: 09/06/2000

TIME: 11.55:35

265 <223% OTHER INFORMATION: Synthetic DNA

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/645,321

Input Set : A:\5.1183 sequence.txt
Output Set: N:\CRF3\09062000\I645321.raw

DATE: 09/06/2000

TIME: 11:55:30

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                                                            Same to
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      282
      285 <210> SEQ ID NO: 7
      286 <211> LENGTH: 36
      287 < 212: PYPE: DNA
      288 <213 - OPGANISM: Artificial Sequence
      290 - 220 - FEATURE:
      291 - 223 - OTHER INFORMATION: Synthetic DNA
      293 -400> SEQUENCE: 7
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 E--> 295 36
      298 210. SEQ ID NO: 8
299 211: LENGTH: 36
      300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
       303 <220> FEATURE:
       304 <223> OTHER INFORMATION: Synthetic DNA
       306 <400 - SEQUENCE: 8
 E--> 307 aaaggateet taactaaccg gaagttggag agttte
 E--> 308 36
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